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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): ERWIN et al.	Examiner:
Serial No.: TO BE ASSIGNED	Group Art Unit: 1637
Filed: October 9, 2003	Attorney Docket No.: LSBC-0087-DV11
Title: **PRODUCTION OF LYSOSOMAL ENZYMES IN PLANTS BY TRANSIENT EXPRESSION**	

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INFORMATION DISCLOSURE STATEMENT

Dear Sir:

This Information Disclosure Statement is submitted under 37 CFR 1.97(b) (before mailing date of first office action on the merits).

Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

The relevance of the attached references is that this is the closest art of which Applicant is aware. Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

Respectfully submitted,

LARGE SCALE BIOLOGY CORPORATION

I hereby certify that this paper is being sent via EXPRESS MAIL and I have reasonable basis to expect that this paper will be mailed on or before October 9, 2003.

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Sheet 1 of 5

Complete if Known	
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First Named Inventor	Erwin et al.
Art Unit	1637
Examiner Name	
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number - Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,179,023	01-12-1993	CALHOUN, et al.	
		US-5,580,757	12-03-1996	DESNICK, et al.	
		US-5,500,365	03-19-1996	FISCHHOFF, et al.	
		US-4,956,282	09-11-1990	GOODMAN, et al.	
		US-5,597,945	01-28-1997	JAYNES, et al.	
		US-5,082,778	01-21-1992	OVERBEEK, et al.	
		US-5,929,304	07-27-1999	RADIN, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] - Number[4] - Kind Code[5] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

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Sheet 2 of 5

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Group Art Unit	1637
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NON PATENT LITERATURE DOCUMENTS

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		BOWIE, et al., "Diciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", *Science*, 247:1306-1310 (1990)	
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		GRACE, et al., "Analysis of Human Acid β-glucosidase by Cite-Directed Mutagenesis and Heterologous Expression", *The Journal of Biological Chemistry*, 269(3): 2283-2291 (1994)	
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		SCHULZ and SCHIRMER, "Principles of Protein Structure", Springer-Verlag, eds.	
		SCOTT, et al., "Structure and Sequence of the Human α-L-Iduronidase Gene", *Genomics,* 13:1311-1313 (1992)	
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		WARNER, et al., "Photolabeling of the α-Neuraminidase/β-Galactosidae Complex from Human Placenta with a Photoreactive Neuraminidase Inhibitor", *Biochemical and Biophysical Rsearch Communications*, 173(1):13-19 (1990)	
		WEISSENBORN, "HMB-CoA reductase and terpeniod phytoalexins: Molecular specialization within a complex pathway", *Physiologia Plantarum*, 93:393-400 (1995)	
		WELLS, "Additivity of Mutational Effects in Proteins", *Biochemistry*, 29(37):8509-8517 (1990)	

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